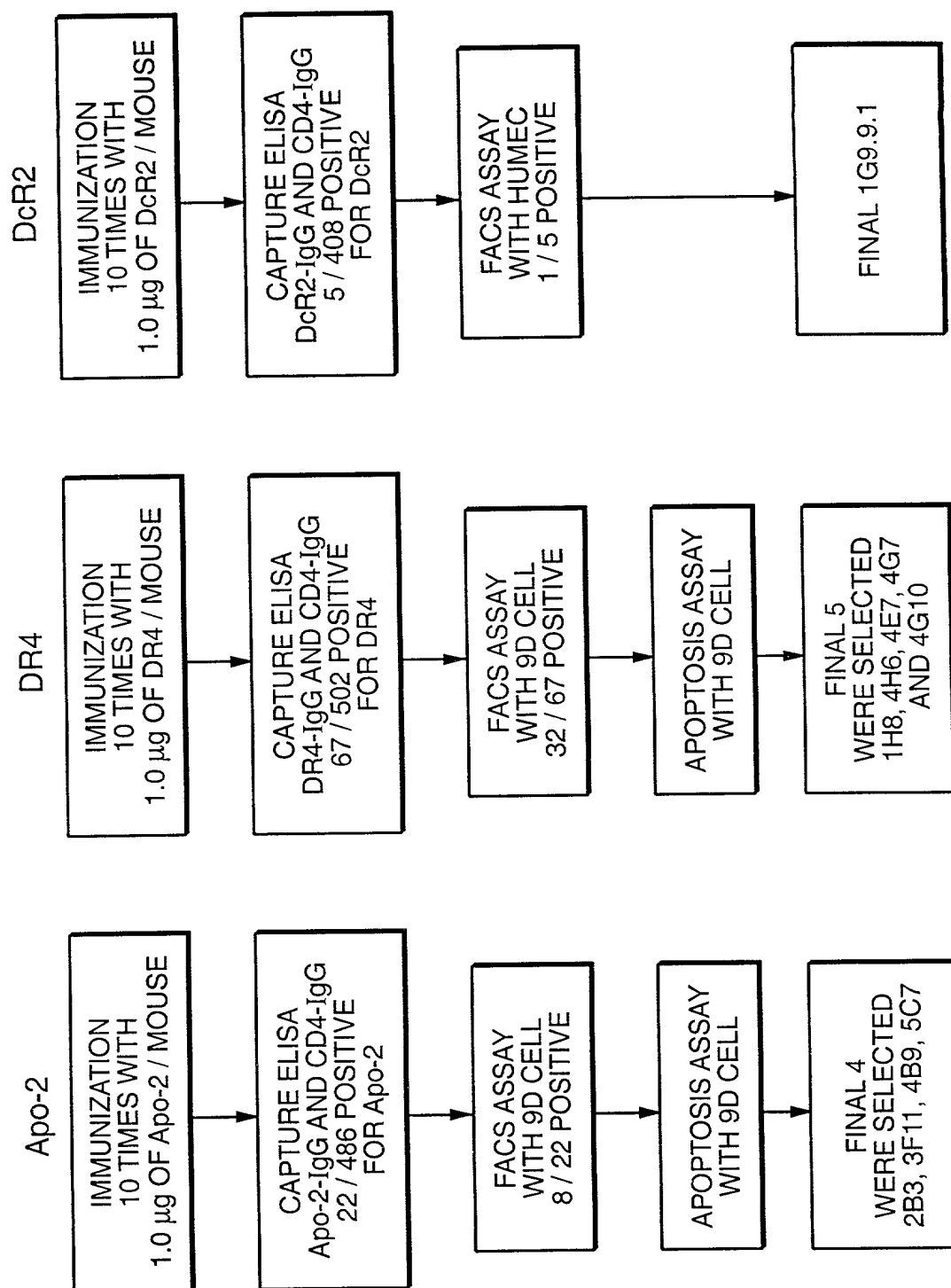
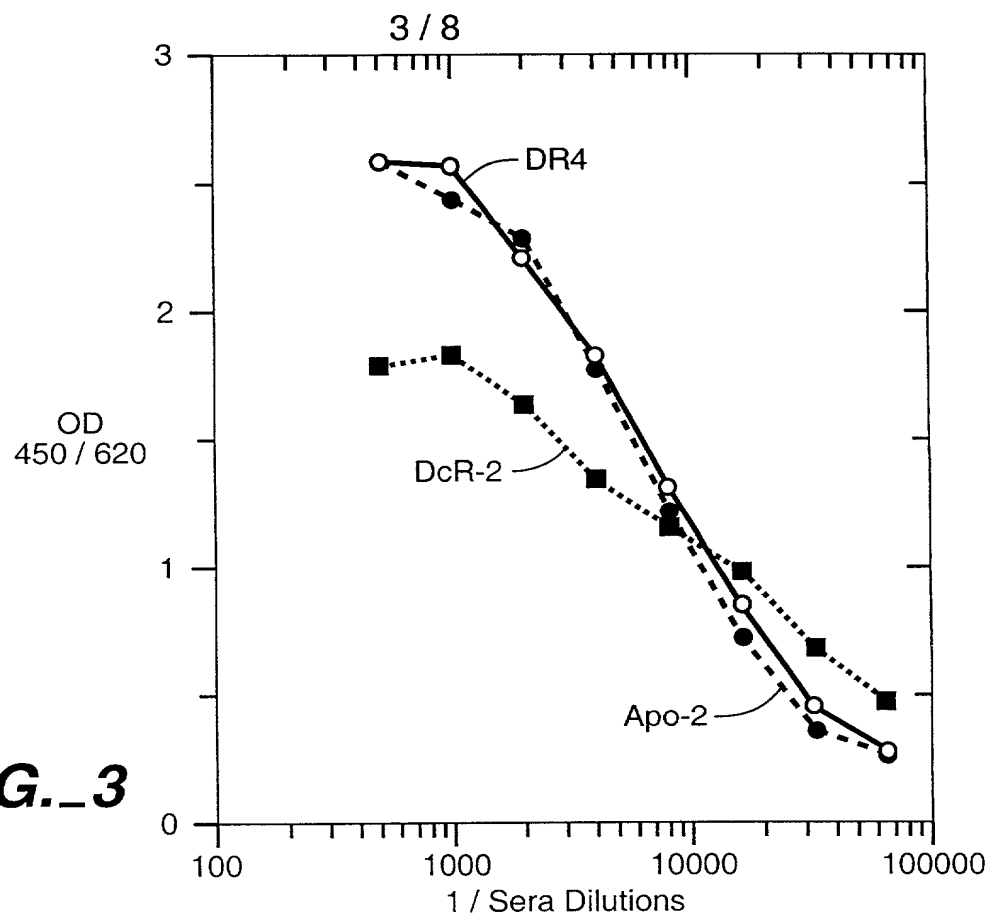
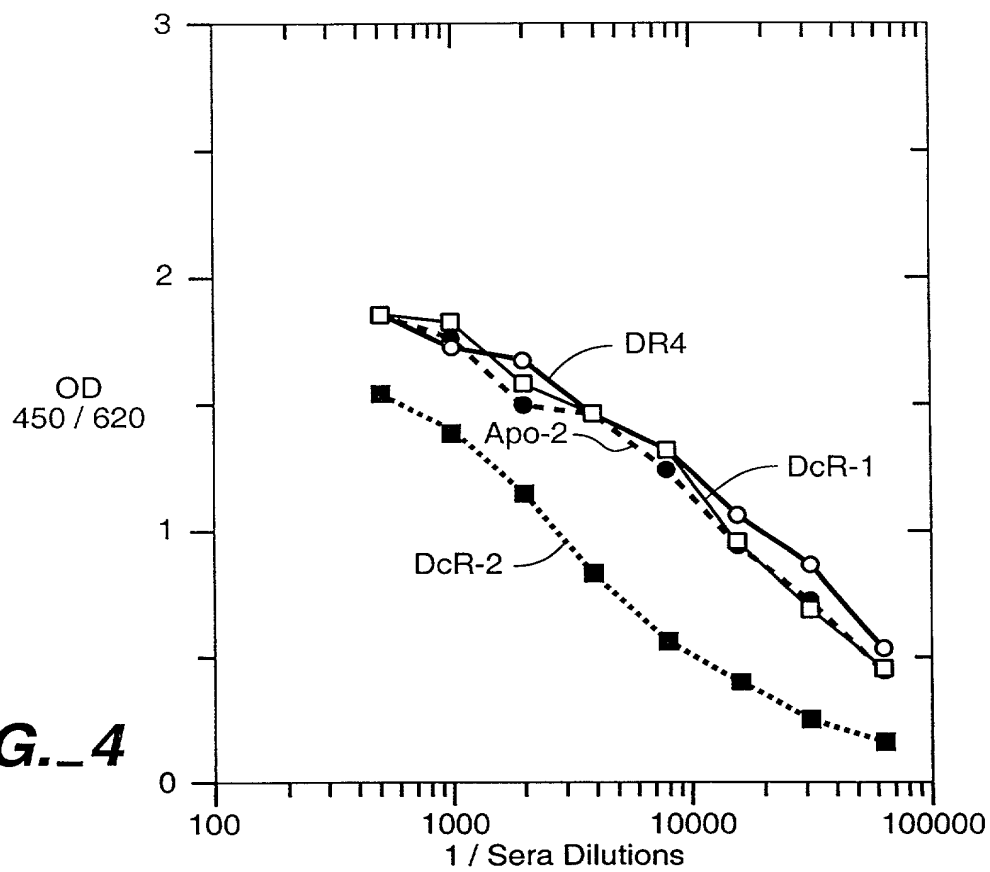


FIG. 1

**FIG. 2**

**FIG._3****FIG._4**



1 CCCACGGCT CGCATAAATC AGCAGCGGC CGGAGAACC CGCAATCTCT GCGCCACAA AATACACCGA CGATGCCCGA TCTACTTTAA GGGCTGAAC
GGGTGCGCAG GCGTATTTAG TCGTGCGCCG GCGTCTTGGG GCGTTAGAGA CGCGGTGCTT TTATGTGGCT GCTACGGGCT AGATGAAAT CCCGACTTGG

101 CCACGGGCT GAGAGACTAT AAGAGCGTTC CTPACCGCCA TGGAACAACG GGGACAGAAC GCCCGGGCG CTTCCGGGGC CCGGAAAAGG CACGGCCCCAG
GGTGCCCGA CTCTCTGATA TTCTCGCAAG GSATGGCGGT ACCTTGTTC CCCTGTTCG CCGGGCGGC GAAGCCCCG GGCCTTTTCC GTGCCGGGTC

21 MetGluGlnAr gGlyGlnAsn AlaProAlaA laSerGlyAl aArgLysArg HisGlyProGly

201 GACCCAGGGA GCGCGGGGA GCCAGGCTG GGTCCGGGT CCCCAAGACC CTTGTGCTCG TTGTCTGCTG GTCTCTCTAG TTGGTCTCAG CTGAGTCTGC
CTGGGTCCCT CCGCGCCCT CCGTCCGAC CCGAGGCCA GGGTTCTTG GAACACGAGC AACAGCGGC CCAGGACGAC AACAGAGTC GACTCAGACG

22 ProArgG1 uAlaArgGly AlaArgProG lyLeuArgVa lProLysThr LeuValLeuV alValAlaAl aValLeuLeu LeuValSerA laGluSerAla

301 TCTGATCACC CAACAAGACC TAGTCCCCA GCAGAGAGCG GCCCACAAC AAAAGAGGTC CAGCCCTCA GAGGATTGT GTCCACCTGG ACACCATATC
AGACTAGTGG GTTGTCTCG ATCGAGGGT CGTCTCTCG CCGGTCTCG TTTTCTCCAG GTCCCTAACA CAGGTGGACC TGTGGTATAG

55 LeuIleThr GlnGlnAspL euAlaProG1 nGlnArgAla AlaProGlnG lnLysArgSe rSerProSer GluGlyLeuC ysProProG1 yHisHisIle

401 TCAGAAGACG GTAGAGATTG CATCTCTGC AAATATGGAC AGGACTATAG CACTCACTGG AATGACCTCC TTTTCTGCTT GCGCTGCACC AGGTGTGATT
AGTCTTCTGC CATCTCTAAC GTAGAGGACG TTTATACCTG TCCTATATC GTGAGTGACC TTACTGGAG AAAAGACGAA CCGCAGCTGG TCCACACTAA

88 SerGluAspG lyArgAspCy sIleSerCys lysTyrGlyG lnAspTyrSe rThrHisTrp AsnAspLeuL euPheCysLe uArgCysThr ArgCysAspSer

501 CAGGTGAAGT GGAGCTAAGT CCCTGCACCA CGACCAGAAA CACAGTGTGT CAGTCCGAG AAGGCACCTT CCGGGAAGAA GATTCTCTG AGATGTGCCG
GTCCACTTCA CCTCGATTCA GGGACGTGGT GCTGTCTTT GTGTACACA GTACAGTTC TTCCGTGGA GGCCTTCTT CTAAGAGGAC TCTACACGGC

122 GlyGluVa lGluLeuSer ProCysThrT hrThrArgAs nThrValCys GlnCysGluG luGlyThrPh eArgGluGlu AspSerProG luMetCysArg

601 GAAGTGCCGC ACAGGGTCTC CCAGAGGGAT GGTCAAGTTC GGTGATTGTA CACCCTGGAG TGACATCGAA TGTGTCCACA AAGAATCAGG CATCATCATA
CTTCACGGCG TGTCCACAG GGTCTCCCTA CCAGTCCAG CCCTAACAT GTGGGACCTC ACTGTAGCTT ACACAGGTGT TTCTTAGTCC GTAGTAGTAT

155 LysCysArg ThrGlyCysP roArgGlyMe tValLysVal GlyAspCysT hrProTrpSe rAspIleGlu CysValHisL ysGluSerG1 yIleIleIle

701 GGAGTCACAG TTGCAGCCGT AGTCTTGATT GTGGTGTGT TTGTTTGCAA GTCTTTACTG TGAAGAAG TCCTTCTCTTA CCTGAAAGG ATCTGCTCAG
CCTCAGTGC AACGTCGCA TCAGAACTAA CACGACACA ACAAACGTT CAGAAATGAC ACCTTCTTC AGGAAGGAA GGACTTTCCG TAGACGAGTC

188 GlyValThrV alAlaAlaVa lValLeuIle ValAlaValP heValCysLy sSerLeuLeu TrpLysLysV alLeuProTy rLeuLysGly IleCysSerGly

801 GTGGTGGTGG GGACCCCTGAG CGTGTGGACA GAAGTCACA ACGACCTGG GCTGAGGACA ATGTCCTCAA TGAGATCGTG AGTATCTTGC AGCCACCCA
CACCACCACC CCTGGGACTC GCACACCTGT CTTTCAGTGT TGTGAGCC CGACTCTGT TACAGGAGTT ACTCTAGCAC TCATAGAACG TCGGTGGGT

222 GlyGlyG1 yAspProGlu ArgValAspA rgSerSerG1 nArgProGly AlaGluAspA snValLeuAs nGluIleVal SerIleLeuG lnProThrGln

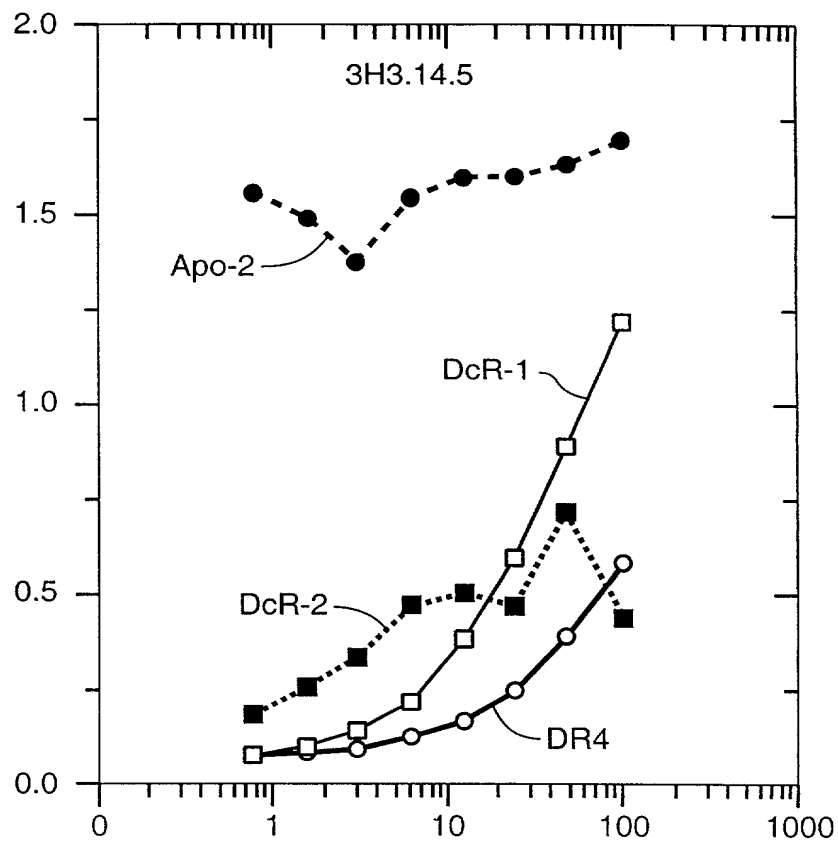
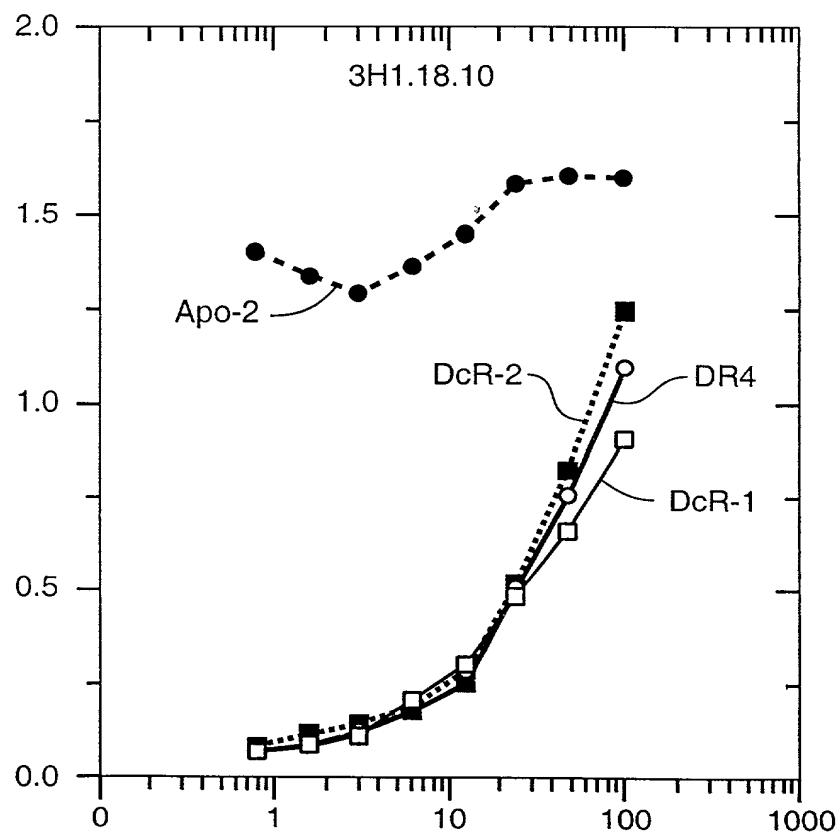


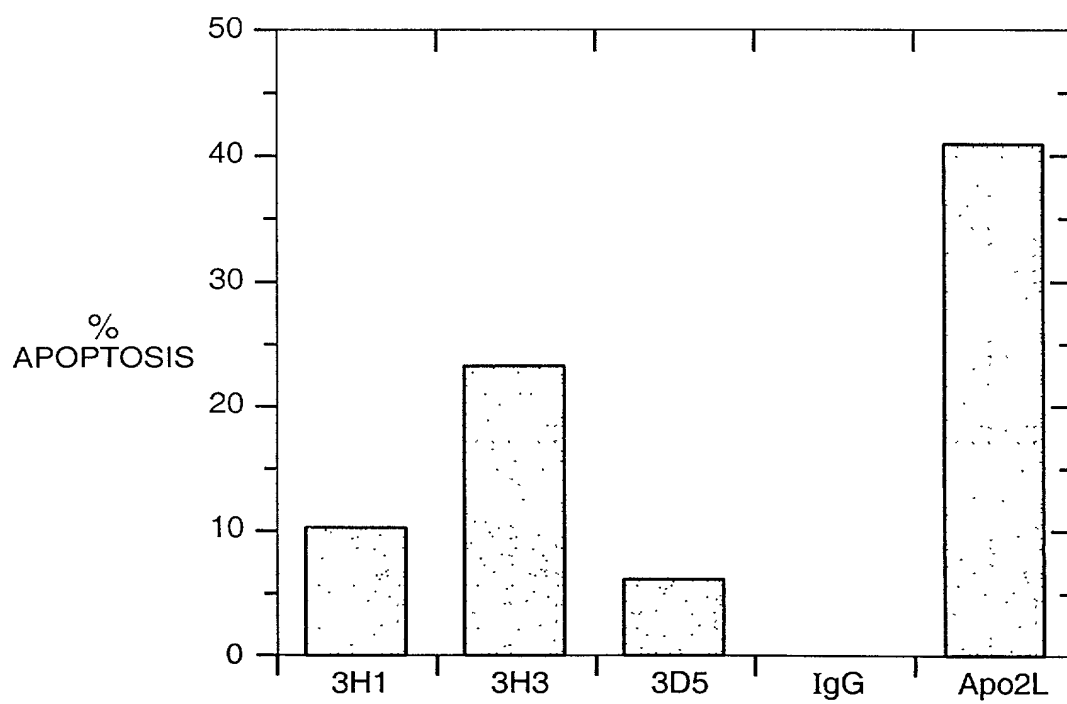
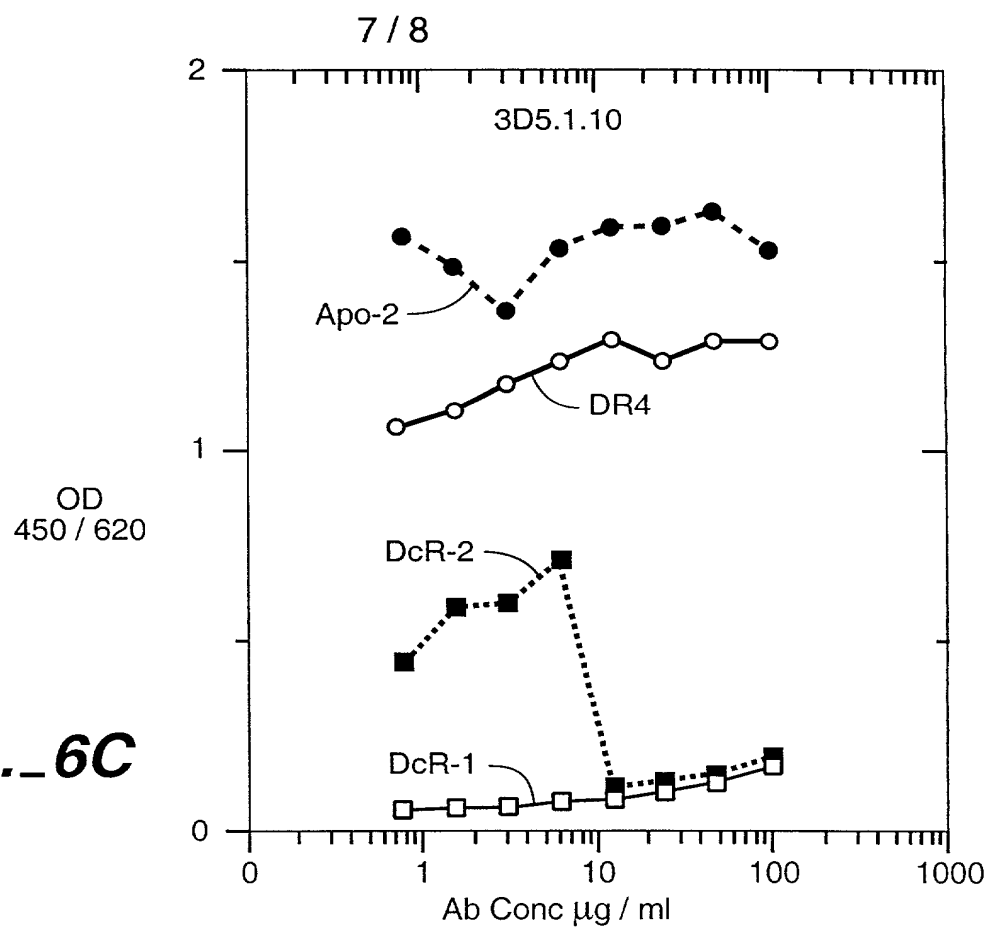
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CCAGGACTC GTCTTTTACC TTCAGGTCTC CGGTGCTCC AGTTGTACAA CAGGGGGCCC CTCAGTCTCG TAGACGACCT TGGCCGTCTT
255 ValProGlu GlnGluMetG luValGlnGlu uProAlaGlu ProThrGlyV alAsnMetLe uSerProGly GluSerGluH isLeuLeuG1 uProAlaGlu
1001 GCTGAAAGGT CTCAGAGGAG GAGGCTGCTG GTTCCAGCAA ATGAAGGTGA TCCCAGTGA AGTCTGAGAC AGTGTCTTGA TGACTTTGCA GACTTTGGTGC
CGACTTTCCA GAGTCTCCTC CTCCGACGAC CAAGGTCTGT TACTTCCACT AGGTGACTC TGAGACTCTG TCACGAAGCT ACTGAAACGT CTGAACCCACG
288 AlaGluArgS erGlnArgAr gArgLeuLeu ValProAlaA snGluGlyAs pProThrGlu ThrLeuArgG lncysPheAs pAspPheAla AspLeuValPro
1101 CCTTTGACTC CTGGGAGCG CTCAATGAGG AGTTGGGCTT CATGGACAAT GAGATAAAGG TGGCTAAAGC TGAGGCAGCG GCCACAGGG ACACCTTGTA
GGAAACTGAG GACCCCTCGC GAGTACTCCT TCAACCCGGA GTACTCTTCA CTCTATTTC ACCGATTTCG ACTCCGTCGC CCGGTGTCCC TGTGGAACAT
322 PheaspSe rTrpGluPro LeuMetArgL ysLeuGlyLe uMetAspAsn GluileLysV alalalysAl aGluAlaAla GlyHisArgA spThrLeuTyr
1201 CACGATGCTG ATAAAGTGG TCAACAAAAA CCGGCGAGAT GCCTCTGTCC ACACCTGTG GATGCTGTG GAGACGCTGG GAGAGAGACT TGCCAAGCAG
GTGCTACGAC TATTTACACC AGTTGTCTTG GCCCGCTCTA CGGAGACAGG TGTGGGACGA CCTACGGAAC CTCTGCGACC CTCTCTCTGA ACGGTTCGTC
355 ThrMetLeu IleLysTrpV alAsnLysTh rGlyArgAsp AlaSerValH isThrLeuLe uAspAlaLeu GluThrLeuG lyGluArgLe uAlaLysGln
1301 AAGATTGAGG ACCACTTGT GAGCTCTGGA AAGTTTCATGT ATCTAGAAGG TAATGCAGAC TCTGCGWTGT CCTAAGTGTG ATTCTCTTCA GGAAGTGAGA
TTCTAACTCC TGGTGAACAA CTCGAGACCT TTCAAGTACA TAGATCTTCC ATTACGCTCTG AGACGGAACA GGATTTCACAC TAAGAGAAGT CCTTCACACT
388 LysIleGluA spHisLeule uSerSerGly LysPheMetT yrLeuGluG1 yAsnAlaAsp SerAlaXaaS erOC*
1401 CCTTCCTGG TTTACCTTTT TTCTGGAAAA AGCCCAACTG GACTCCAGTC AGTAGGAAAG TGCCACAATT GTCCACTGAC CCGTACTGGA AGAAACTCTC
GGAAGGACC AAATGGAAAA AAGACCTTTT TCGGGTTGAC CTGAGGTCAG TCATCCTTTC ACGGTGTAA CAGTGTACTG GCCATGACCT TCTTTGAGAG
1501 CCATCCAACA TCACCCAGTG GATGGAACAT CCTGTAACTT TTCACTGCAC TTGSCATTTAT TTTTATAAGC TGAATGTGAT AATAAGGACA CTATGGAAT
GGTAGGTGT AGTGGGTAC CTACCTTGTA GGACATTGAA AAGTGACGTG AACCGTAATA AAAATATTTCG ACTTACACTA TTATTCTCTGT GATACCTTTA
1601 GTCTGGATCA TTCCGTTTGT GCGTACTTTG AGATTGGTT TGGGATGTCA TTGTTTTTTC AGCACTTTTT TATCCTAATG TAAATGCTTT ATTTATTAT
CAGACCTAGT AAGGCAACA CGCATGAAAC TCCTAAACCAA ACCCTACAGT AACAAAAGTG TCGTGAAAAA ATAGGATTAC ATTTACGAAA TAAATAAATA
1701 TTGGGTACA TTGTAAGATC CATCTACAAA AAAAAAAAAG GCGGCGCGC ACTCTAGAGT CGACCTGCGAG AAGCTTGGCC GCCATGGCC
AACCGATGT AACATTCTAG GTAGATGTTT TTTTTTTTTT TTTTTTTTTT CCGCGGCGC TGAGATCTCA GCTGGACGTC TTCGAACCGG CGGTACCGG

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FIG. 5B

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OD
450 / 620**FIG._6A**OD
450 / 620**FIG._6B**

**FIG. 6C****FIG. 8**

